

Title (en)

Methods and compositions for reduction of side effects of therapeutic treatments

Title (de)

Verfahren und Zusammensetzung zur Verringerung der Nebenwirkungen von therapeutischen Behandlungen

Title (fr)

Procédés et compositions pour la réduction des effets indésirables de traitements thérapeutiques

Publication

EP 1977746 A1 20081008 (EN)

Application

EP 08251288 A 20080402

Priority

- US 90963707 P 20070402
- US 95629607 P 20070816
- US 95665707 P 20070817

Abstract (en)

The invention provides compositions and methods utilizing a nicotinic receptor modulator, e.g., to reduce or eliminate a side effect associated with dopaminergic agent treatment. In some embodiments, the invention provides compositions and methods utilizing a combination of a dopaminergic agent and a nicotinic receptor modulator that reduces or eliminates a side effect associated with dopaminergic agent treatment.

IPC 8 full level

A61K 31/198 (2006.01); **A61K 31/465** (2006.01); **A61P 25/28** (2006.01)

CPC (source: EP GB KR US)

A61K 9/0053 (2013.01 - US); **A61K 31/197** (2013.01 - GB); **A61K 31/198** (2013.01 - EP US); **A61K 31/353** (2013.01 - KR); **A61K 31/465** (2013.01 - EP GB US); **A61K 31/5513** (2013.01 - KR); **A61K 45/06** (2013.01 - EP US); **A61P 25/14** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP)

Citation (applicant)

- WO 9221339 A1 19921210 - ABBOTT LAB [US]
- WO 9408992 A1 19940428 - ABBOTT LAB [US]
- WO 9640682 A1 19961219 - ABBOTT LAB [US]
- WO 9746554 A1 19971211 - ABBOTT LAB [US]
- WO 9903859 A1 19990128 - ASTRA AB [SE], et al
- WO 9615123 A1 19960523 - SALK INST BIOTECH IND [US], et al
- WO 9719059 A1 19970529 - SIBIA NEUROSCIENCES INC [US], et al
- WO 0010997 A1 20000302 - ORTHO MCNEIL PHARM INC [US]
- WO 0044755 A1 20000803 - ABBOTT LAB [US]
- WO 0034284 A1 20000615 - SANOFI SYNTHELABO [FR], et al
- WO 9842713 A1 19981001 - SYNTHELABO [FR], et al
- WO 9902517 A1 19990121 - SYNTHELABO [FR], et al
- WO 0034279 A1 20000615 - SANOFI SYNTHELABO [FR], et al
- EP 0955301 A2 19991110 - PFIZER PROD INC [US]
- EP 0857725 A1 19980812 - PFIZER [US]
- EP 0870768 A1 19981014 - PFIZER [US]
- EP 0311313 A2 19890412 - YAMANOUCHI PHARMA CO LTD [JP]
- WO 9711072 A1 19970327 - NOVO NORDISK AS [DK], et al
- WO 9711073 A1 19970327 - NOVO NORDISK AS [DK], et al
- WO 9854182 A1 19981203 - NEUROSEARCH AS [DK], et al
- WO 9854181 A1 19981203 - NEUROSEARCH AS [DK], et al
- WO 9854152 A1 19981203 - NEUROSEARCH AS [DK], et al
- WO 9854189 A1 19981203 - NEUROSEARCH AS [DK], et al
- WO 9921834 A1 19990506 - NEUROSEARCH AS [DK], et al
- WO 9924422 A1 19990520 - NEUROSEARCH AS [DK], et al
- WO 0032600 A1 20000608 - NEUROSEARCH AS [DK], et al
- WO 0066586 A1 20001109 - NEUROSEARCH AS [DK], et al
- WO 0064885 A1 20001102 - NEUROSEARCH AS [DK], et al
- US 4590278 A 19860520 - EDWARDS III WILLIAM B [US]
- US 4321387 A 19820323 - CHAVDARIAN CHARLES G, et al
- US 4452984 A 19840605 - EDWARDS III WILLIAM B [US]
- US 4442292 A 19840410 - EDWARDS III WILLIAM B [US]
- US 4332945 A 19820601 - EDWARDS III WILLIAM B
- US 5023252 A 19910611 - HSEIH DEAN [US]
- US 4992445 A 19910212 - LAWTER JAMES R [US], et al
- US 5001139 A 19910319 - LAWTER JAMES R [US], et al
- US 7011849 B2 20060314 - STORM KEVIN H [US], et al
- US 6221394 B1 20010424 - GILBERT JULIAN CLIVE [GB], et al
- US 5073380 A 19911217 - BABU SURESH R [US], et al
- US 2007104787 A1 20070510 - POSEY-DOWTY JESSICA D [US], et al
- US 2006204578 A1 20060914 - VERGEZ JUAN A [AR], et al
- US 2006057202 A1 20060316 - ANTARKAR AMIT K [IN], et al
- US 2005276852 A1 20051215 - DAVIS ROBERT D [US], et al
- US 2005266032 A1 20051201 - SRINIVASAN VISWANATHAN [US], et al
- US 7282217 B1 20071016 - GRIMSHAW MICHAEL N [US], et al
- US 7229641 B2 20070612 - CHERUKURI S RAO [US]
- US 6368625 B1 20020409 - SIEBERT JOHN M [US], et al
- US 6365182 B1 20020402 - KHANKARI RAJENDRA K [US], et al
- US 6221392 B1 20010424 - KHANKARI RAJENDRA K [US], et al

- US 6024981 A 20000215 - KHANKARI RAJENDRA K [US], et al
- DAMAJ ET AL., J. PHARMACOL EXP. THER, vol. 284, 1998, pages 1058 - 65
- ABOOD ET AL., PHARMACOL. BIOCHEM. BEHAV., vol. 30, 1988, pages 403 - 08
- "Handbook of Clinical Drug Data", 2002, MCGRAW-HILL
- "Principles of Drug Action", 1990, CHURCHILL LIVINGSTON
- "Basic and Clinical Pharmacology", MCGRAW HILL
- "The Pharmacological Basis of Therapeutics", MCGRAW HILL
- "Remingtons Pharmaceutical Sciences", 2000, LIPPINCOTT WILLIAMS & WILKINS
- MARTINDALE: "The Extra Pharmacopoeia", 1999, THE PHARMACEUTICAL PRESS
- LANGSTON ET AL., ANN NEUROL, vol. 47, 2000, pages 79 - 89
- HSU ET AL., J PHARMACOL EXP THER, vol. 311, 2004, pages 770 - 777
- HUKKANEN ET AL., PHARMACOL REV, vol. 57, 2005, pages 79 - 115
- MATTA ET AL., PSYCHOPHARMACOLOGY (BERL, vol. 190, 2007, pages 269 - 319
- CENCI ET AL., EUR J NEUROSCI, vol. 10, 1998, pages 2694 - 2706
- CENCI ET AL., NAT REV NEUROSCI, vol. 3, 2002, pages 574 - 579
- CENCI, NAT REV NEUROSCI, vol. 3, 2002, pages 574 - 579
- VISANJI ET AL., NEUROPHARMACOLOGY, vol. 51, 2006, pages 506 - 516
- COX ET AL., EXP. NEUROL, 2007
- PAPA ET AL., BRAIN RES, vol. 662, 1994, pages 69 - 74
- MABANDLA ET AL., METAB BRAIN DIS, vol. 19, 2004, pages 43 - 50
- HOWELLS ET AL., BEHAV BRAIN RES, vol. 165, 2005, pages 210 - 220
- STEINER ET AL., EXP NEUROL, vol. 199, 2006, pages 291 - 300
- LUNDBLAD ET AL., J NEUROCHEM, vol. 84, 2003, pages 1398 - 1410
- DEKUNDY ET AL., BEHAV BRAIN RES, vol. 179, 2007, pages 76 - 89
- COX ET AL., EXP NEUROL, 2007
- CARTA ET AL., NEUROCHEM, vol. 96, 2006, pages 1718 - 1727

Citation (search report)

- [XY] WO 0115696 A1 20010308 - ASSIST PUBL HOPITAUX DE PARIS [FR]
- [X] WO 0035279 A1 20000622 - UNIV SOUTH FLORIDA [US], et al
- [PX] QUIK MARYKA ET AL: "Nicotine reduces levodopa-induced dyskinesias in lesioned monkeys.", ANNALS OF NEUROLOGY DEC 2007, vol. 62, no. 6, December 2007 (2007-12-01), pages 588 - 596, XP002489587, ISSN: 1531-8249
- [XY] SCHNEIDER J S ET AL: "Effects of SIB-1508Y a novel neuronal nicotinic acetylcholine receptor agonist, on motor behavior in parkinsonian monkeys", MEDLINE,, 1 January 1900 (1900-01-01), XP002489588
- [XY] QUIK M: "Smoking, nicotine and Parkinson's disease", TRENDS IN NEUROSCIENCE, ELSEVIER, AMSTERDAM, NL, vol. 27, no. 9, 1 September 2004 (2004-09-01), pages 561 - 568, XP004552637, ISSN: 0166-2236
- [A] QUIK MARYKA ET AL: "Chronic oral nicotine treatment protects against striatal degeneration in MPTP-treated primates.", JOURNAL OF NEUROCHEMISTRY SEP 2006, vol. 98, no. 6, September 2006 (2006-09-01), pages 1866 - 1875, XP002489589, ISSN: 0022-3042

Cited by

US11096916B2; FR2931677A1; US2014171448A1; CN102573830A; AU2010299967B2; CN110051670A; EA036742B1; US11266612B2; US11596779B2; US11285306B2; WO2011036167A1; WO2015168616A1; WO2009156680A3; US10537539B2; US10653686B2; US10258738B2; US10258778B2; US10679516B2; US10213586B2; US10232156B2; US11400266B2; US8314119B2; US8987453B2; US9464078B2; FR3106978A1; WO2021160968A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1977746 A1 20081008; EP 1977746 B1 20140730; EP 1977746 B8 20140924; AU 2008232453 A1 20081009; AU 2008232453 A8 20110721; AU 2008232453 B2 20110623; AU 2008232453 B8 20110721; CA 2682323 A1 20081009; CN 101772346 A 20100707; CN 101772346 B 20140507; CN 103977003 A 20140813; EP 2322166 A1 20110518; EP 2322167 A1 20110518; EP 2322168 A1 20110518; ES 2521494 T3 20141112; GB 0805991 D0 20080507; GB 0912941 D0 20090902; GB 2448224 A 20081008; GB 2448224 B 20100901; GB 2461412 A 20100106; GB 2461412 B 20100929; HK 1135037 A1 20100528; HK 1145978 A1 20110513; HK 1147951 A1 20110826; IL 201269 A0 20100531; IL 201269 A 20140528; IL 232200 A0 20140528; JP 2010523587 A 20100715; JP 2013155209 A 20130815; JP 2016020385 A 20160204; KR 101122469 B1 20120712; KR 20100045406 A 20100503; KR 20110075044 A 20110705; US 2008260825 A1 20081023; US 2010029723 A1 20100204; US 2010158895 A1 20100624; US 2010159004 A1 20100624; US 2010166735 A1 20100701; US 2010196463 A1 20100805; US 2011077276 A1 20110331; US 2016235732 A1 20160818; US 7718677 B2 20100518; WO 2008122049 A2 20081009; WO 2008122049 A3 20081211

DOCDB simple family (application)

EP 08251288 A 20080402; AU 2008232453 A 20080402; CA 2682323 A 20080402; CN 200880016027 A 20080402; CN 201410137915 A 20080402; EP 11152129 A 20080402; EP 11152137 A 20080402; EP 11152139 A 20080402; ES 08251288 T 20080402; GB 0805991 A 20080402; GB 0912941 A 20080402; HK 10103280 A 20100330; HK 11100145 A 20110107; HK 11102143 A 20110303; IL 20126909 A 20090930; IL 23220014 A 20140423; JP 2010502274 A 20080402; JP 2013107190 A 20130521; JP 2015204271 A 20151016; KR 20097022900 A 20080402; KR 20117012123 A 20080402; US 2008059174 W 20080402; US 201514850840 A 20150910; US 50299209 A 20090714; US 53492809 A 20090804; US 53493509 A 20090804; US 53494109 A 20090804; US 53494609 A 20090804; US 6158708 A 20080402; US 90135410 A 20101008